The Razor, just like the sword from which it gets its name, borrows the best qualities of other machines in our lineup. This hybrid is the largest of our entry level machines making it powerful enough to complete big jobs but designed for high-quality entry-level jobs. The Razor shares its drives and CNC with the Trident, and its frame, rails, trucks, and beam with the Cutlass. The frame allows for water table adjustment or a down draft table for aluminum cutting applications. Running on integrated linear bearings, it can move at speeds of 600 inches per minute. 400 oz-in stepper motors and 4:1 planetary gearboxes interface to 16 DP helical rack in X and Y axes and a lead screw-based lifter in Z for precise and reliable motion. Hypertherm® Powermax® plasma torches and power supplies eliminate the need for specialty gases, while piercing up to 1-inch material.

- Arc Voltage Height Control

- Adjustable Water Table

- Initial Height Control

- Torch Collision Break Away

- Crosshair Laser Pointer

- Class Leading Reliability

- Easy Maintenance and Use
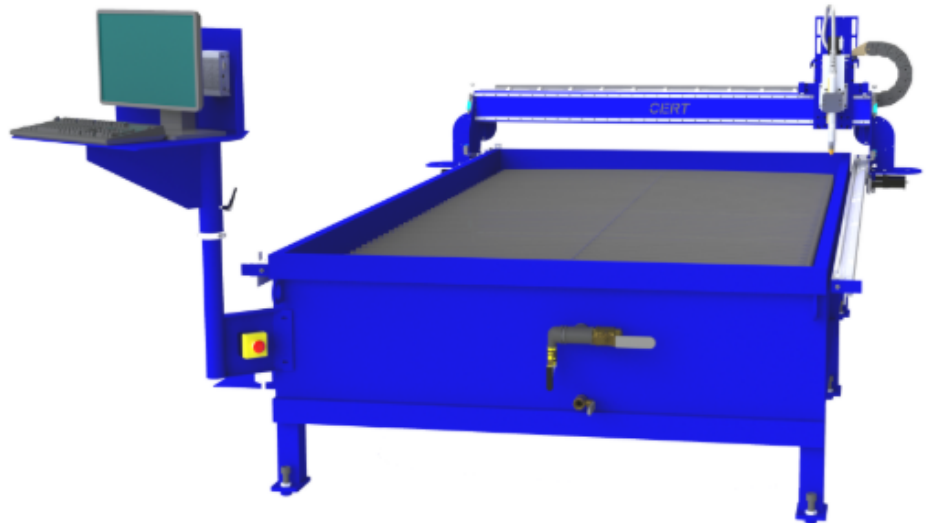
RAZOR

Where creativity gets its spark!

Unitized
- Provides "unload, plugin and cut" Installation
- Allows the machine to be easily moved on site

Torches
- Hypertherm Powermax 45XP through Powermax 125
- Pierce up to 1"
- Severance up to 2-1/2"

Drives
- Ethernet-linked, 4 axis drive box
- Integrated plasma control and arc voltage monitoring
- 400 pz-in motors with planetary gearboxes on X, Y, and YY
- 3/4" wide, helical rack for smooth, extended-life motion

Table
- 4X8, 5X10 or 6X12
- Water or Downdraft table

Lifter
- 400 oz-n motor with leadscrew motion
- Integrated contact sense and magnetic torch breakaway sense

CNC
- Customized user interface, initial height sense, and arc voltage height
- Components on open-source linuxCNC realtime motion controller
- Fanless embedded industrial PC for reliable operation
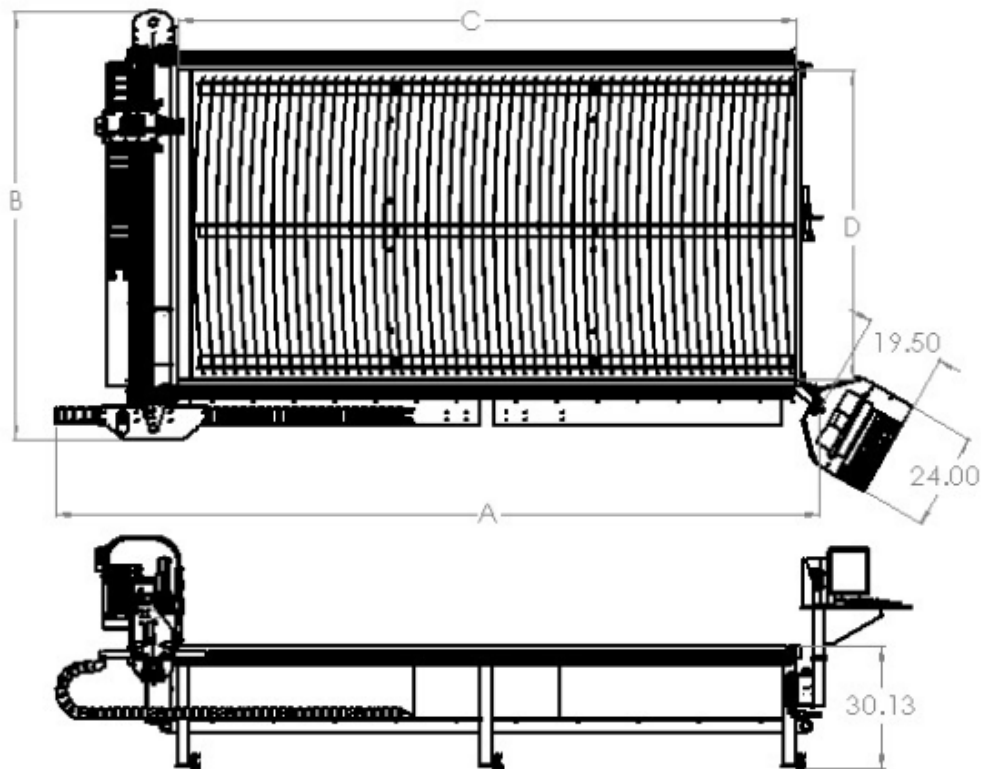
Dimensions		4'x8'	5'x10'	6'x12'
Length	A	139.5	163.5	187.5
Width	B	81.1	93.1	105.1
Table Inner Length	C	103.8	127.8	151.8
Table Inner Width	D	52	64	76
Cut Capacity (W x L)		51 x 100	63 x 124	75 x 148
Machine Dimensions (inches unless otherwise noted)				

MADE IN THE USA

MADE IN **OKLAHOMA**

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